

# Joint Logistics Systems Center



## S U C C E S S S T O R Y

### *Laboratory Information Management System is Operational!*



The Laboratory Information Management System (LIMS) is presently operational at four sites: Warner Robins Air Logistics Center (WR-ALC), Naval Aviation Depot (NADEP) Jacksonville, Corpus Christi Army Depot (CCAD) and Oklahoma City Air Logistics Center (OC-ALC). The LIMS application is a commercial-off-the-shelf software package that manages laboratory resources, tracks samples, and automates data capture, analysis, and reporting. The Joint Logistics Systems Center (JLSC) is responsible for LIMS, one of nine applications that collectively form the Depot Maintenance Systems (DMS) providing interoperable Department of Defense (DoD) depot maintenance systems based on existing data and improved business practices. The LIMS team consists of representatives from the government as well as personnel from Decision Systems Technologies, Incorporated; Hewlett Packard; KPMG Peat Marwick LLP; Lockheed Martin; Boeing; Knowledge Based Engineering, and Robbins-Gioia.

## Joint Logistics Systems Center

### DEPLOYMENT SITES

#### ARMY

Anniston Army Depot (AD)  
Corpus Christi AD  
Letterkenny AD  
Red River AD  
Tobyhanna AD

#### NAVY

Norfolk Naval Ship Yard (NSY)  
Pearl Harbor NSY  
Puget Sound NSY  
Portsmouth NSY  
Naval Aviation Depot (NADEP)  
North Island  
NADEP Jacksonville  
NADEP Cherry Point

#### MARINE CORPS

Marine Corps Logistics Base  
(MCLB) - Albany  
MCLB - Barstow

#### AIR FORCE

Ogden Air Logistics Center  
(ALC)  
Oklahoma City ALC  
Sacramento ALC  
San Antonio ALC  
Warner Robins ALC

#### NON-DEPOT SITES

Kelly Air Force Base (AFB)  
Wright-Patterson AFB  
McDill AFB  
Vandenberg AFB  
Holloman AFB  
Cape Canaveral Air Force  
Station  
Searsport  
Mukilteo  
Kadena Air Base (AB)  
Aviano AB  
Royal Air Force Mildenhall

### Accomplishments

LIMS was installed at four sites and achieved initial site acceptance in May at WR-ALC, in July for both NADEP Jacksonville and CCAD, and in August at OC-ALC. Full site acceptance is scheduled to be reached six months after initial site acceptance. Chemists, metallurgists, material engineers, and technicians at these sites can now store and access depot laboratory data from one on-site location, allowing for efficient management of laboratory information. The next five sites scheduled to receive LIMS are San Antonio ALC, NADEP North Island, NADEP Cherry Point, Sacramento ALC, and Ogden ALC. These sites have completed their site survey activities and will be achieving initial site acceptance in early calendar year 1997. "LIMS is a powerful tool in helping us reach our goals at NADEP Cherry Point," George Barnett, Industrial Chemicals/Non-Destructive Inspection Branch Head said. "It will be easier to improve the flexibility required to analyze materials in a constantly changing environment, and it will provide for more effective management of laboratory assets, people and time."

### Background

The LIMS project was started in response to the Corporate Information Management (CIM) initiative to re-engineer and re-structure depot maintenance business methods, functions, and administrative processes. LIMS functional objectives are to: reduce analysis turnaround time, reduce labor requirements, improve laboratory throughput (reduced backlog), improve resource utilization, provide more timely support, ease compliance with regulatory requirements of the Environmental Protection Agency and Nuclear Regulatory Commission, support laboratory certification, improve laboratory flexibility to analyze ad hoc testing requests, and interface with existing laboratory equipment to ensure data input requirements are met to satisfy the functional requirements. Prior to LIMS, the work was performed using manual log book entries and a mixture of locally developed software and personal computer applications. These methods were inefficient and lacked the interoperability called for by the CIM initiative. A team of functional experts from the services was assembled to evaluate available COTS software packages through a series of site visits. ChemLMS from Hewlett Packard was identified for the LIMS application.